

CLAIMS

1. A method in a wireless communications device, the method comprising:
 - obtaining a measure of mobility of the wireless communications;
 - monitoring a first system while selected to a second system only if the measure of mobility exceeds a mobility threshold.
2. The method of Claim 1, obtaining the measure of mobility based on a regression error of a signal measurement on the second system.
3. The method of Claim 1, monitoring the first system includes obtaining a signal measurement from the first system and synchronizing with the first system.
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4. The method of Claim 1, selecting the first system if a signal measurement of the second system drops below a second system lower threshold.

5. The method of Claim 1,
selecting the first system and deselecting the second system if
the signal measurement of the second system drops below a second system
lower threshold,
re-selecting the second system if the signal measurement of the
second system exceeds a second system upper threshold for a
predetermined time period after selecting the first system.

6. The method of Claim 5,
monitoring the first system after reselecting the second system,
discontinuing monitoring the first system if the measure of
mobility is not greater than the mobility threshold.

7. The method of Claim 1,
obtaining the measure of mobility based on cell selection
information obtained while selected to the second system,
monitoring the first system while selected to the second system
only if the measure of mobility exceeds the mobility threshold.

8. The method of Claim 1,
the second system is a cellular system,

obtaining the measure of mobility based on number of different cells selected while selected to the second system.

9. The method of Claim 2, obtaining the signal measurement based on any one of a received signal strength indication, bit error rate information, and block erasure rate information.

10. A method in a hybrid wireless communications device, the method comprising:

comparing a mobility measurement of the wireless communications device to a mobility threshold while connected to a broadband wireless network;

monitoring a cellular communications network if the mobility measurement is greater than a mobility threshold;

not monitoring the cellular communications network if the mobility measurement is not greater than the mobility threshold.

11. The method of Claim 10, determining the mobility measurement from regression error information of a signal measurement on the broadband wireless network.

12. The method of Claim 11, determining the mobility measurement based on a root mean square of the regression error information.

13. The method of Claim 10, selecting the cellular communications network if a signal measurement on the broadband wireless network is less than a lower threshold.

14. The method of Claim 13,
selecting the broadband wireless network if the signal measurement on the broadband wireless network is greater than or equal to an upper threshold for a specified time period,
remaining on the cellular communications network if the signal measurement on the broadband wireless network is not greater than or equal to the upper threshold for the specified time period.

15. The method of Claim 11, obtaining the signal measurement based on any one of received signal strength indication information, bit error rate information, and block erasure rate information.

16. A method in a wireless communications device capable of communicating in a cellular communications network and in a broadband wireless network, the method comprising:

determining regression line error information based on broadband wireless network signal measurements;

monitoring a cellular communications network if the error information is greater than a threshold;

not monitoring the cellular communications network if the error information is not greater than the threshold.

17. The method of Claim 16, determining regression line error information includes determining a root mean square of regression error associated with a regression line.

18. The method of Claim 16, selecting the cellular communications network if a signal measurement on the broadband wireless network is less than a lower threshold.

19. The method of Claim 18,

selecting the broadband wireless network if signal measurements on the broadband wireless network is greater than or equal to an upper threshold for a specified time period,

remaining on the cellular communications network if the signal measurement on the broadband wireless network is not greater than or equal to the upper threshold for the specified time period.

20. A method in a wireless communications device operable on first and second wireless communication systems, the method comprising:

operating on the first wireless communications system;

making signal measurements on the second wireless communications system;

selecting the second wireless communications system if signal measurements on the second wireless communications system exceeds a dynamic threshold for a specified time period,

the dynamic threshold compensates for changes in regression error of the signal measurements on the second wireless communications system.

21. The method of Claim 20, making signal measurements based upon any one of received signal strength indication information, bit error rate information,^o and block erasure rate information.

22. A method in a wireless communications device, the method comprising:

obtaining a measure of mobility of the wireless communications while selected to a cellular wireless communication system;

monitoring for a broadband wireless communication system while selected to the cellular wireless communications system only if the measure of mobility exceeds a mobility threshold.

23. The method of Claim 22,

obtaining the measure of mobility based on changes in a universe of different cells selected while selected to the second system.